

AIR FLOW ARRANGMENT FOR GENERATOR ENCLOSURE

ABSTRACT OF THE DISCLOSURE

A generator structure is provided having an improved air flow arrangement.

The generator structure includes an enclosure having an interior for receiving an engine and an alternator therein. A roof structure is positioned on the enclosure and includes an eave portion and an attic portion. The eave portion has an inlet which communicates with the ambient air external of the generator structure, an outlet communicating with the interior of the enclosure and input flow path therebetween. The attic portion has an inlet communicating with the interior of the enclosure, an outlet communicating with the ambient air external of the generator structure and an exit flow path therebetween. An air flow generator draws ambient air through the inlet flow path in the eave portion of the roof structure into the interior of the enclosure to cool the engine and the alternator and urges air from the interior of the enclosure through the exit flow path in the attic portion and out of the generator structure.